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L1: {365139} silicon
L2: {64747} 1 and {silicon near substrate}
L3: {51279} 2 and {contact or opening or interconnect}
L4: {17033} 3 and {cobalt or co}
L5: {4003} 4 and {cobalt or {cobalt adj salicide} or {cobalt adj silicide}}
L6: {3185} 5 and titanium
L8: {1062} 6 and {{cobalt adj silicide} or {cobalt adj salicide}}
L9: {938} 8 and nitride and titanium
L10: {938} 9 and {opening or contact or interconnect}
L11: {718} 10 and {sidewall$1 or spacer$1}
L12: {597} 11 and {CVD or {vapor adj deposit$3}}
L14: {316} 8 and {cobalt with {contact or opening or hole or via}}
L15: {100} 14 and {cobalt adj layer}
L16: {89} 15 and {cobalt.clm.}
L7: {40} 6 and {cobalt near {contact or opening or interconnect}}
L13: {10} 12 and {IMP or {metal adj plasma}}
L17: {50} 16 and {opening.clm. or contact.clm. or interconnect.clm.}
L18: {1} {"5902129"}.PN.
L19: {365139} silicon
L20: {80886} 1 and contact and opening
L21: {26724} 20 and {opening.clm.}
L22: {11016} 21 and nitride
L23: {4632} 22 and titanium
L24: {2203} 23 and {silicide or salicide}
L25: {630} 24 and cobalt
L26: {464} 25 and dielectric
L27: {275} 26 and {{silicon adj substrate} or {cobalt adj layer}}
L28: {269} 27 and {CVD or IMP or {metal adj plasma} or {chemical adj vapor}}
L29: {220} 27 and {CVD or {chemical adj vapor adj deposit$3}}
L30: {1} 29 and {IMP or {ionized adj metal adj plasma}}
L31: {9} 29 and {cobalt near {contact or opening}}

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29 and (cobalt near (contact or opening))

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